Panasonic

Important Information

Network Camera (PoE Ready)

Please read this document before using the product, and save this document for future reference.

Model No. **BB-HCM511** Indoor Use Only
BB-HCM515 Indoor Use Only
BB-HCM531 Outdoor Ready

How to Use the Documentation

This manual is written for the BB-HCM511 (Indoor Use Only), BB-HCM515 (Indoor Use Only), and the BB-HCM531 (Outdoor Ready). Available features and operations vary slightly depending on the model. You can confirm the model no. of your camera by checking the model no. printed on the front of the camera.
All documentation can be found on the included CD-ROM.

- **Important Information** (PDF format; printed version also included)
  This document. Provides general information and safety instructions for using the camera.
- **Installation Guide** (PDF format; printed version also included)
  Describes how to physically connect the camera to the power supply and network, as well how to mount or place the camera for regular use.
- **Setup Guide** (PDF format; printed version also included)
  Describes how to set up the camera so that it can be accessed using a PC.
- **Operating Instructions** (HTML format)
  Explains how to operate, program, and maintain the camera.
- **Troubleshooting Guide** (HTML format)
  Provides solutions for problems you may have when using the camera.
- **Stand-alone SD Memory Card Recording Guide** (PDF format; printed version also included)
  Describes how to record images to an SD memory card without using a PC.

Abbreviations

- The Network Camera is referred to as “the camera” in this document.
- The Setup CD-ROM is referred to as “the CD-ROM” in this document.
- The term “SD memory card” is used in this document to refer to SD memory cards and SDHC memory cards.

IMPORTANT SAFETY INSTRUCTIONS

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

Note:

- References to the AC adaptor and the AC cord apply when using the optional BB-HCA3CE or BB-HCA3E AC Adaptor.

1. Read and understand all instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Attach the Safety Wire to the camera to prevent it from dropping.
6. After taking away the sand or the dust on the lens cover, wipe the lens cover with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
9. Protect the AC adaptor cord and the AC cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the unit.
10. The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
11. Only use attachments/accessories such as stand specified by the manufacturer.
12. Do not touch the unit, the LAN cable, the AC adaptor, the AC adaptor cord, or the AC cord during lightning storms.
13. Unplug the unit from power supply when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as when the AC adaptor, the AC adaptor cord, or the AC cord is damaged, the unit does not operate normally, or has been dropped.
15. Prolonged exposure to direct sunlight or halogen light may damage the image sensor.
16. **For BB-HCM511/BB-HCM515:** The camera is intended for indoor use only.
    For BB-HCM531: The camera features a splash-resistant body, but it is not waterproof.
17. Keep the SD memory card (customer-provided) out of reach of children to prevent swallowing.
18. Unplug this unit from power supply if it emits smoke, an abnormal smell or makes unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorized service center.
19. The AC adaptor, the AC adaptor cord, and the AC cord are not waterproofed, and are intended for indoor use only. The AC adaptor, the AC adaptor cord, and the AC cord must be waterproofed for outside use.

SAVE THESE INSTRUCTIONS

Other Information

Environment:

For BB-HCM511/BB-HCM515: Do not install the camera where the temperature is less than +0 °C or greater than +40 °C. Allow 10 cm clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
For BB-HCM531: Do not install the camera where the temperature is less than -20 °C or greater than +50 °C. Allow 10 cm clearance around the unit for proper ventilation. Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.
Routine care:
Wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder.
When you leave the unit unused for a long period of time, disconnect the LAN cable (when using PoE) from the camera, or disconnect the AC adaptor from the outlet (when using the optional AC adaptor).
If you have any problems:
Consult an authorized service center.
CAUTION:
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

No responsibility will be taken by our company with respect to consequences resulting from the use, damage or both of the camera.

© 2007 Panasonic Communications Co., Ltd. All Rights Reserved.
PQQX16003YA KK0207CM1107 (CE)

HCM511CE

Security Cautions

When using this product, take appropriate measures to avoid the following security breaches.

- Disclosure of private information via this product
- Unauthorized use of this product by a third party
- Interference or suspension of the use of this product by a third party

You are responsible for the security of this product and its use. Take the following measures to avoid security breaches.

- To prevent unauthorized access, disclosure of private information, or interference or suspension of access to the camera, make sure the camera's firmware is up to date.
- Do not reveal the user names and passwords required to access the camera to an unknown party.
- If you choose to configure this product to allow access to parties without the need to enter a user name and password (i.e., guest users), be aware that unknown parties may access this product.
- Do not upload images produced by this product or otherwise release information where it may be accessed by unknown parties.
- Mount the camera where the camera will not be stolen.
- When sending this product for service or transferring this product to another party, make backup copies of its setup files, and reset this product to its factory default settings.
- When disposing of this product, reset the product to its factory default settings, or erase the product's memory by means of electrical deletion or physical dismantlement.

User Name and Password Protection

The use of unique user names and secret passwords is an important tool that will help limit unauthorized individuals from accessing the camera. If you choose to disable this tool by allowing guest (i.e. anonymous) access, the camera may be accessed by unauthorized individuals.

Audio and Video Recording Notice

Please note that under certain circumstances, audio/video recording may be prohibited by law. This device should be used only in compliance with all applicable laws and statutes.

MPEG-4 Visual License

This product is licensed under the MPEG-4 Visual patent portfolio license for the personal and non-commercial use of a consumer for (i) encoding video in compliance with the MPEG-4 Visual Standard ("MPEG-4 Video") and/or (ii) decoding MPEG-4 Video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed by MPEG LA to provide MPEG-4 Video. No license is granted or shall be implied for any other use. Additional information including that relating to promotional, internal and commercial uses and licensing may be obtained from MPEG LA, LLC.
See http://www.mpegla.com.

About the MPEG-4 Viewer Program

The MPEG-4 viewer program is an ActiveX® Control that is used to play MPEG-4 files within Internet Explorer. This software is installed automatically the first time you view MPEG-4 videos.
A software license for the MPEG-4 decoder is included with the MPEG-4 viewer program, and the license is valid for 1 PC. Please read the included End-User License Agreement before installing the viewer program. When installing the MPEG-4 viewer program on additional PCs, please purchase additional licenses (Model No. BB-HCA5CE).

About the OpenSSL License

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/) This product includes cryptographic software written by Eric Young. (eay@cryptsoft.com)

System Requirements

Your PC and network must meet the following technical specifications in order for the camera to function properly.

Item	Requirement
Operating System	**For IPv4 Connection** Microsoft® Windows Vista™, Windows® XP, Windows 2000 **For IPv6 Connection**[*1] Microsoft Windows Vista, Windows XP Service Pack 1 or later
CPU	2.0 GHz Celeron® or faster
Display	1024 x 768 resolution or higher
Protocol	**For IPv4 Connection** TCP/IP protocol (HTTP, TCP, UDP, IP, DNS, ARP, ICMP) **For IPv6 Connection** TCP/IP protocol (HTTP, TCP, UDP, IP, DNS, ICMPv6, NDP)
Interface	10/100 Mbps network card
Web Browser	Internet Explorer® 6.0 or later (not included)
Audio	PC speaker or headphones (required to use the Listen feature) External speaker for camera (required to use the Talk feature)
Additional Software (For Viewing Buffered MPEG-4 Images)	**For Windows Vista** Windows Media® Player 11 or later **For Windows XP** Windows Media Player 9 or later **For Windows 2000** Windows Media Player 9

*1 **What is IPv6?**

- IPv6 is short for "Internet Protocol Version 6".
- IPv6 was created to provide the additional IP addresses that will be needed as the Internet continues to expand.
- IPv6 is expected to gradually replace IPv4, with the 2 coexisting for a number of years during a transition period.
- Though most ISPs (Internet Service Providers) do not yet support IPv6, many local networks already use it. When your ISP supports IPv6, your Panasonic Network Camera will be ready!
- For more information, visit http://www.ipv6.org/.

Note:
Refer to the Panasonic Network Camera website at
http://panasonic.co.jp/pcc/products/en/netwkcam/
for details about network environment.

Trademarks

- SDHC Logo is a trademark.
- Microsoft, Windows, Windows Vista, ActiveX, Internet Explorer, and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Celeron is a trademark or registered trademark of Intel Corporation or its subsidiaries in the United States and other countries.
- All other trademarks identified herein are the property of their respective owners.

The information in this document is subject to change without notice.

Panasonic Communications Co., Ltd.
1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

Copyright:
This material is copyrighted by Panasonic Communications Co., Ltd., and may be reproduced for internal use only. All other reproduction, in whole or in part, is prohibited without the written consent of Panasonic Communications Co., Ltd.